

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/08748

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04J14/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/186430 A1 (HALGREN ROSS ET AL) 12 December 2002 (2002-12-12) paragraph '0001! paragraph '0005! - paragraph '0017! paragraph '0026! - paragraph '0035! A Y	1-10, 13, 16, 21 14, 15 US 5 898 801 A (WHITTAKER G ALLAN ET AL) 27 April 1999 (1999-04-27) column 1, line 50 - line 53 column 4, line 28 - line 56 column 7, line 27 -column 8, line 10 --- -/-
		1-10, 13, 16, 21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

25 March 2004

Date of mailing of the international search report

05/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Alonso Martin, M.E.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/08748

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 33746 A (XROS INC) 10 May 2001 (2001-05-10) page 19, line 8 – line 23 page 24, line 4 – page 25, line 9 page 26, line 5 – page 29, line 24	1-21
A	EP 1 206 142 A (REDFERN BROADBAND NETWORKS PTY ; REDFERN BROADBAND NETWORKS INC (US) 15 May 2002 (2002-05-15) paragraph '0001! paragraph '0005! – paragraph '0019! paragraph '0022! – paragraph '0030!	1-19,21
A	EP 0 667 690 A (IBM) 16 August 1995 (1995-08-16) column 9, line 14 – line 35	1,11,12
A	EP 1 028 554 A (NIPPON ELECTRIC CO) 16 August 2000 (2000-08-16) paragraph '0001! paragraph '0008! – paragraph '0010!	20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08748

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002186430	A1	12-12-2002	WO EP	02101963 A1 1267587 A2	19-12-2002 18-12-2002	
US 5898801	A	27-04-1999		NONE		
WO 0133746	A	10-05-2001	US AU AU AU AU AU AU CA CA CA CA CA CA CA CA CA EP EP EP EP EP EP EP WO WO WO WO WO WO WO WO WO US	6650803 B1 1360601 A 3071901 A 3262201 A 3634301 A 3641001 A 4302201 A 2389527 A1 2389589 A1 2389721 A1 2389735 A1 2389758 A1 2389948 A1 1228660 A1 1228588 A2 1226738 A2 1228661 A2 1228662 A2 1228592 A2 0133895 A2 0133746 A2 0133896 A1 0133897 A2 0133898 A2 0139413 A2 2004037553 A1 6597826 B1 6571030 B1	18-11-2003 14-05-2001 14-05-2001 14-05-2001 14-05-2001 14-05-2001 04-06-2001 10-05-2001 31-05-2001 10-05-2001 10-05-2001 10-05-2001 10-05-2001 07-08-2002 07-08-2002 31-07-2002 07-08-2002 07-08-2002 10-05-2001 10-05-2001 10-05-2001 10-05-2001 31-05-2001 26-02-2004 22-07-2003 27-05-2003	
EP 1206142	A	15-05-2002	WO AU CN EP	0239632 A1 1198902 A 1475059 T 1206142 A1	16-05-2002 21-05-2002 11-02-2004 15-05-2002	
EP 0667690	A	16-08-1995	US EP JP US	5487120 A 0667690 A2 7240738 A 5825949 A	23-01-1996 16-08-1995 12-09-1995 20-10-1998	
EP 1028554	A	16-08-2000	JP CN EP	2000232412 A 1263391 A 1028554 A2	22-08-2000 16-08-2000 16-08-2000	